

ABSTRACT OF THE DISCLOSURE:

A docking apparatus for printed circuit boards including a cassette housing defining a housing cavity for containing a printed circuit board (PCB) and a linkage mechanism associated
5 with the cassette housing. The linkage mechanism includes a linkage arm pivotally connected to the cassette housing via a pivot and has a first arm pivotally connected to the PCB, a traveler having a threaded bore therethrough connected to a second arm extending from the first arm, a shaft threadedly
10 engaged in the left handed threaded bore through the traveler at a first end defining the shaft, the first end configured to operably transfer axial translation of the shaft to the traveler, and an opposite second end defining the shaft threaded engaged in a right handed threaded bore through a split nut operably secured
15 to the cassette housing. The traveler and nut are configured to threadably receive corresponding threads of the shaft for axial translation of the shaft therethrough, wherein rotation of the shaft translates the shaft causing rapid pivotal movement of the linkage arm about the pivot via the traveler and nut, causing
20 translation of the PCB in and out of engagement with a corresponding connector.